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Substitute for form 1449A/PTO

**SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete If Known

Complete if Known	
Application Number	10/551,054
Filing Date	\$371 Date: September 23, 2005
First Named Inventor	BACHMANN, Martin F.
Art Unit	1648
Examiner Name	MOSHER, Mary
Attorney Docket Number	1700.0590000/BJD/WBC

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature	/Mary Mosher/	Date Considered	12/31/2008
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Substitute for form 1449B/PTO SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete If Known			
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		First Named Inventor	BACHMANN, Martin F.		
		Art Unit	1648		
		Examiner Name	MOSHER, Mary		
Sheet	1	of	4	Attorney Docket Number	1700.0590000/BJD/WBC

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	NPL135	Allison (1994) Int J Technol Assess Health Care 10(1):107-20 -- Adjuvants and immune enhancement.	
	NPL136	Azuma (1992) Vaccine 10(14):1000-6 -- Synthetic immunoadjuvants: application to non-specific host stimulation and potentiation of vaccine immunogenicity.	
	NPL137	Bird (1987) Trends Genet. 3(12):342-347 -- CpG islands as gene markers in the vertebrate nucleus	
	NPL138	Branda (1993) Biochem Pharmacol 45(10):2037-43 -- Immune stimulation by an antisense oligomer complementary to the <i>rev</i> gene of HIV-1.	
	NPL139	Cooper (August 2004) Vaccine 22(23-24):3136-43 -- Safety and immunogenicity of CPG 7909 injection as an adjuvant to Fluorix influenza vaccine.	
	NPL140	Francois (1988) Clin Immunol Immunopathol 48(3):297-306 -- Examination of the inhibitory and stimulatory effects of IFN- α , - β , and - γ on human B-cell proliferation induced by various B-cell mitogens.	
	NPL141	Gavett (1995) J Exp Med 182(5):1527-36 -- Interleukin 12 inhibits antigen-induced airway hyperresponsiveness, inflammation, and Th2 cytokine expression in mice.	
	NPL142	Gilkeson (1989) J Immunol 142(5):1482-6 -- Induction of anti-double stranded DNA antibodies in normal mice by immunization with bacterial DNA.	
	NPL143	Gursel (2001) J Immunol 167(6):3324-8 -- Sterically stabilized cationic liposomes improve the uptake and immunostimulatory activity of CpG oligonucleotides.	
	NPL144	Halperin (June 2003) Vaccine 21(19-20):2461-7 -- A phase I study of the safety and immunogenicity of recombinant hepatitis B surface antigen co-administered with an immunostimulatory phosphorothioate oligonucleotide adjuvant.	

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	NPL145	Holt (1994) Lancet 344(8920):456-8 -- A potential vaccine strategy for asthma and allied atopic diseases during early childhood.	
	NPL146	Hsu (1996) Nat Med 2(5):540-4 -- Immunoprophylaxis of allergen-induced immunoglobulin E synthesis and airway hyperresponsiveness in vivo by genetic immunization.	
	NPL147	Joseph (September 2002) Vaccine 20(27-28):3342-54 -- Liposomal immunostimulatory DNA sequence (ISS-ODN): an efficient parenteral and mucosal adjuvant for influenza and hepatitis B vaccines.	
	NPL148	Kataoka (1992) Jpn J Cancer Res 83(3):244-7 -- Antitumor activity of synthetic oligonucleotides with sequences from cDNA encoding proteins of <i>Mycobacterium bovis</i> BCG.	
	NPL149	Kline (1996) J. Invest Med 44(7):380A -- CpG motif oligonucleotides are effective in prevention of eosinophilic inflammation in a murine model of asthma	
	NPL150	Kuramoto (1992) Cancer Immunol Immunother 34(5):283-8 -- Induction of T-cell-mediated immunity against MethA fibrosarcoma by intratumoral injections of a bacillus Calmette-Guérin nucleic acid fraction.	
	NPL151	Lotz (1987) J Rheumatol 14(1):42-5 -- Effects of recombinant human interferons on rheumatoid arthritis B lymphocytes activated by Epstein-Barr virus.	
	NPL152	McIntyre (1993) Antisense Res Dev 3(4):309-22 -- A sense phosphorothioate oligonucleotide directed to the initiation codon of transcription factor NF-κ B p65 causes sequence-specific immune stimulation.	
	NPL153	Merritt (1965) J Immunol 94():416-22 -- Studies on the Adjuvant Action of Bacterial Endotoxins on Antibody Formation. VI. Enhancement of Antibody Formation by Nucleic Acids.	
	NPL154	Messina (1991) J Immunol 147(6):1759-64 -- Stimulation of in vitro murine lymphocyte proliferation by bacterial DNA.	

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	NPL155	Messina (1993) Cell Immunol 147(1):148-57 -- The influence of DNA structure on the <i>in vitro</i> stimulation of murine lymphocytes by natural and synthetic polynucleotide antigens.	
	NPL156	Mojcik (1993) Clin Immunol Immunopathol 67(2):130-6 -- Administration of a phosphorothioate oligonucleotide antisense to murine endogenous retroviral MCF <i>env</i> causes immune effects <i>in vivo</i> in a sequence-specific manner.	
	NPL157	Nohria (1994) Biotherapy 7(3-4):261-9 -- Cytokines as potential vaccine adjuvants.	
	NPL158	Pisetsky (1993) Mol Biol Rep 18(3):217-21 -- Stimulation of <i>in vitro</i> proliferation of murine lymphocytes by synthetic oligodeoxynucleotides.	
	NPL159	Pisetsky (1994) Life Sci 54(2):101-7 -- Stimulation of murine lymphocyte proliferation by a phosphorothioate oligonucleotide with antisense activity for herpes simplex virus.	
	NPL160	Raz (1996) Proc Natl Acad Sci U S A 93(10):5141-5 -- Preferential induction of a Th ₁ immune response and inhibition of specific IgE antibody formation by plasmid DNA immunization.	
	NPL161	Saiki (1988) Vaccine 6(3):238-44 -- Induction of tumoricidal macrophages and production of cytokines by synthetic muramyl dipeptide analogues.	
	NPL162	Sato (1996) Science 273(5273):352-4 -- Immunostimulatory DNA sequences necessary for effective intradermal gene immunization.	
	NPL163	Uhlmann (March 2003) Curr Opin Drug Discov Devel 6(2):204-17 -- Recent advances in the development of immunostimulatory oligonucleotides.	
	NPL164	Verthelyi (2001) J Immunol 166(4):2372-7 -- Human peripheral blood cells differentially recognize and respond to two distinct CPG motifs.	

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	NPL165	Verthelyi (April 2004) AIDS 18(7):1003-8 -- CpG oligodeoxynucleotides improve the response to hepatitis B immunization in healthy and SIV-infected rhesus macaques.	
	NPL166	Weiner (2000) Declaration of Dr. George Weiner Under 37 CFR § 1.32, submitted in US Application No. 09/286,098, inventors Kreig <i>et al.</i> , 9 pages.	
	NPL167	Weiner (1997) Proc Natl Acad Sci U S A 94(20):10833-7 -- Immunostimulatory oligodeoxynucleotides containing the CpG motif are effective as immune adjuvants in tumor antigen immunization.	
	NPL168	Yamamoto (1994) Antisense Res Dev 4(2):119-22 -- Ability of oligonucleotides with certain palindromes to induce interferon production and augment natural killer cell activity is associated with their base length.	
	NPL169	Yamamoto (1994) Microbiol Immunol 38(10):831-6 -- Lipofection of synthetic oligodeoxyribonucleotide having a palindromic sequence of AACGTT to murine splenocytes enhances interferon production and natural killer activity.	

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